See attached form for additional information

11-28-00 6

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 87-R-0001

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

University Of Utah 891 Chipeta Way

CUSTOMER NUMBER:

615 Arapeen Drive

Ste. 116

Salt Lake City, UT 84108

Telephone:

(801)581-6840

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not y	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F.  TOTAL NUMBER OF ANIMALS  ( COLUMNS C + D + E)
4. Dogs	0	16	178	0	194
5. Cats	0	0	22	0	22
6. Guinea Pigs	0	0	1164	0	1164
7. Hamsters	0	0	239	0	239
8. Rabbits	0	67	487	0	554
9. Non-human Primate	0	4	20	0	24
0. Sheep	0	0	46	0	46
1. Pigs	0	0	138	0	138
2. Other Farm Animals					
Goats	0	0	50	0	50
3. Other Animals				0	
Gerbils	0	0	176	0	176

#### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and follo actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal Investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals, affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal ca

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL  ( Chief Executive Officer or Legally Responsible Institutional Official )				
SIGNATURE OF C.E.O. OR INSTITUTIONAL DEFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print Ronald J. Pugmire, Associate VP for Research	DATE SIGNED		

APHIS FORM 7023

(AUG 91)

## FACILITY LOCATIONS ATTACHMENT

HSDA, APPIS, AC SACRAMENTO, DA

ARC

BIO

**BIOP** 

**CVRTI** 

LARF

SOM

FARM

IACUC OFFICE

See attached form for additional information

11-21-00

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE	certificate number: 87-R-0003     customer number: 3	FORM APPROVED OMB NO. 0579-0036
ANNUAL REPORT OF RESEARCH FACILITY  (TYPE OR PRINT)	Brigham Young University A-261, Asb	Telephone: (801)378-6882
	Provo, UT 84602	

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

#### FACILITY LOCATIONS (Sites) - See Atached Listing

L	!	ī		nal sheets if necessary or use APHIS Form 7023A )	
A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not y	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilitzing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F.  TOTAL NUMBER OF ANIMALS  ( COLUMNS C + D + E)
4. Dogs			30		30
5. Cats			18		18
6. Guinea Pigs					
7. Hamsters					
8. Raphits	3		28		28
9. Non-human Primate					
0. Sheep					
1. Pigs					
2. Other Farm Animals				:	
3. Other Animals					
Black Bears	!	8			8
White-tailed	l antelope squ	irrel 9			9
Cliff Chipmu	ınk	1			1
ASSURANCE STATEMENT	s				

# 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analysesic, and tranquilizing drugs, prior to, during, and follo actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending veterinarian for this research facility has appropriat	te authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal ca
	ION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL cutive Officer or Legally Responsible Institutional Official )
SIGNATURE OF CENT OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print DATE SIGNED
. Carl Hoxe	Gary R. Hooper, Associate Academic Vice Pres. 11-15-0

APHIS FORM 7023 ( AUG 91 ) Replaces VS FORM 18-23 (OCT 88), which is obsolete.

See reverse side for additional information. Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

2, HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

# CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

REPORT OF ANIMALS USED BY OF	UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if neo	المتنا المستوالي والمتنا المتنا المتنا المتنا والمتنا والمتنا والمتنا والمتنا والمتنا والمتنا والمتنا والمتنا	
A. Animals Covered By The Animal Welfare Regulations  12. &OR 13. Other (Ust by species)	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-refleving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analigesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in those animals and the masons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (Cols. C + D • E)
Valley Pocket Goph	er	1		## ### ### ### ### ### ### ### ### ###	1
Ord's Kangaroo Rat		98			98
Northern Grasshopp	er Mouse	10			10
Silky Pocket Mouse		72			72
Great Basin Pocket	Mouse	1			1
Apache Pocket Mous	е	3			3
Sagebrush Vole		11			1
Long-tailed Vole		1			11
Desert Woodrat		19			19
Brush Mouse		76			76
Canyon Mouse		48			48
Deer Mouse		533			533
Pinyon Mouse		316			316
Western Harvest MC	use	79			79
				A STATE OF THE STA	
ASSURANCE STATEMENTS					

1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to painful procedures.

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and exceptions is attached to this annual report—in addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of annuals affected.

4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)
Legitive that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

Gary R. Hooper, Assoc. Academic Vice Pres

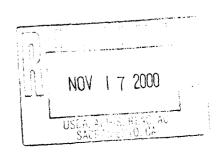
APHIS FORM 7023A (AUG 91)

Customer ID and Site Address:

Cust ID: 3

9th Floor, Widtsoe Building Provo, UT 84602 1231 County: Utah

Telephone (801)378-6882



This report is required by law (7 USC 2143). Failure to report according to the regulations

See attached form for additional information

Interagency Report Control No.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 87-R-0004

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

L D S Hospital

8th Avenue And C Street

CUSTOMER NUMBER: 4

Telephone: (801)321-1100

Salt Lake City, UT 84143

3. REPORTING FACILITY ( List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not y	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F.  TOTAL NUMBER OF ANIMALS  ( COLUMNS C + D + E )
4. Dogs			5		5
5. Cats					
6. Guinea Pigs					!
7. Hamsters	Lance				
8. Rabbits		45			45
9. Non-human Primate					
0. Sheep			i		
1. Pigs		:			
2. Other Farm Animals					
3. Other Animals			·		
Mice			30		
Rats			7		

#### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and follo actual research, teaching, testing, surgery, or experimentation were followed by this research facility. NOV 2 7 2000
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal ca

	EADQUARTERS RESEARCH FACILITY OFFICIAL icer or Legally Responsible Institutional Official)	
SIGNATURE OF C.E.O. OPINSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print	DATE SIGNED
Jony Com	Richard M. Cagen, CEO, LDS Hospital	N -22- 00

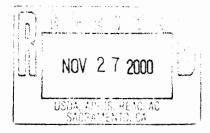
APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OC) 88), which is obsolete.

Customer ID and Site Address:

Cust ID: 4

8th Avenue And C Stre Salt Lake City, UT 84143 County: Salt Lake Telephone (801)321-1100



See attached form for additional information

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

can

1. CERTIFICATE NUMBER: 87-R-0008

CUSTOMER NUMBER: 5

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Weber State University 3750 Harrison Blvd.

2505

Telephone:

(801)626-7931

Ogden, UT 84408 - 7.50 5

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not y	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F.  TOTAL NUMBER OF ANIMALS  ( COLUMNS C + D + E)
4. Dogs	. 0		0		φ
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits			!		
9. Non-human Primate					:
0. Sheep					
1. Pigs			:		
2. Other Farm Animals	1				
3. Other Animals					
					5

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and follo actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures,
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal ca

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL ( Chief Executive Officer or Legally Responsible Institutional Official )

Customer ID and Site Address:

Cust ID: 5

3750 Harrison Blvd. Ogden, UT 84408 3001 County: Weber

Telephone (801)626-7931

### All redactions on this page are pursuant to (b)(6) & (b)(7)(c).

C. Number of

animals upon

research.

tests were

conducted

involving no

use of pain-

which teaching,

experiments, or

pain, distress, or

relieving drugs.

This report is required by law (7 USC 2143). Failure to report according to the regulations

See attached form for additional information

1013

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 87-R-0013

FORM APPROVED OMB NO. 0579-0036

F.

TOTAL NUMBER

OF ANIMALS

( COLUMNS

C + D + E)

ANNUAL REPORT OF RESEARCH FACILITY

 B. Number of animals being

bred,

conditioned, or

held for use in

experiments,

research, or

surgery but not y

teaching,

testing,

Animals Covered

By The Animal

Welfare Regulations

(TYPE OR PRINT)

N P S Pharmaceuticals

CUSTOMER NUMBER:

420 Chipeta Way, Suite 240

Telephone:

(801)583-4939

Salt Lake City, UT 84108

E. Number of animals upon which teaching,

experiments, research, surgery or tests were

conducted involving accompanying pain or distress

to the animals and for which the use of appropriate

anesthetic, analgesic, or tranquilizing drugs would

have adversely affected the procedures, results, or

interpretation of the teaching, research, experiments,

surgery, or tests. ( An explanation of the procedures

reasons such drugs were not used must be attached to

producing pain or distress in these animals and the

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or heid for these purposes. Attach additional sheets if necessary)

D. Number of animals

experiments, teaching,

research, surgery, or

tests were conducted

accompanying pain or

distress to the animals

appropriate anesthetic, a

upon which

involving

and for which

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS Form 7023A)

FACILITY LOCATIONS (Sites) - See Atached Listing

				the state of the s	
l. Dogs	0	0	0	0	0
5. Cats	0		0	0	0
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	:		:	0
3. Rabbits		0	0 0	0	0
	0		0	: 0	1 0
9. Non-human Primate	0	0		0	. 0
0. Sheep	0	0	0	0	0
1. Pigs	0	0	0		
2. Other Farm Animals	0	ŏ	Ŏ	Ö	0
3. Other Animals					
			TOTAL TOTAL SECTION AND ADMINISTRATION ADMINISTRATION ADMINISTRATION ADMINISTRATION AND ADMINISTRATION ADMINISTRATION ADMINISTRATION AND ADMINISTRATION ADMINISTRATION ADMINISTRATION AND ADMINISTRATION AND ADMINISTRATION ADMINISTRATION AND ADMINISTRATION AND ADMINISTRATION AND ADMINISTRATION ADMINISTRATION AND ADMINISTRATION ADMINISTRATION AND ADMINISTRA		:
	- MARTER				
:		<u> </u>			
ASSURANCE STATEMENTS					5 1 1
		ning the care, treatment, and or experimentation were follo		propriate use of anestetic, analgesic, and tranquilizing c	lrugs, prior to, during, and folk
2) Each principal investig	ator has considered	alternatives to painful proced	dures.	OCT 2 7 20	00 (4)
investigator and appro	ved by the Institution	ial Animal Care and Use Com	mittee (IACUC). A summary	ptions to the standards and regulations be specified and of all such exceptions is attached to this annual report, the species and number of animals affected.	
4) The attending veterina	rian for this research	facility has appropriate auth	ority to ensure the provision	of adequate veterinary care and to oversee the adequac	y of other aspects of animal ca
			Y HEADQUARTERS RES Officer or Legally,Respo	EARCH FACILITY OFFICIAL	
			O'V Per		11-7-00 FAX
SIGNATURE OF C.E.O. OF IN	STAUTIONAL OFFICI	Mulle	Dr. Alan	Mueller, Director Discovery	DATE SIGNED
APHIS FORM 7023 (Re ( AUG 91 )	places VS FORM 18-2	23 (OCT 88), which is obsolete			<del></del>
(1.0001)					

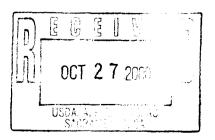
# Annual Report Site Listing: Customer ID and Site Address:

Cust ID: 1013

420 Chipeta Way, Suite 240

Salt Lake City, UT 84108 County: Salt Lake

Telephone (801)583-4939



(CC = JD ==

This report is required by law (7 USC 2143). Failure to report according to the regulations can

See attached form for additional information Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE

1. CERTIFICATE NUMBER: 87-R-0018

FORM APPROVED

ANIMAL AND PLANT HEALTH INSPECTION SERVICE

CUSTOMER NUMBER: 1629

OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Frontier Biomedical, Inc. 1785 North 730 West

Telephone:

(435)752-5007

Logan, UT 84341

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Alsohed Listing The other Sites

REPORT OF ANIMALS	USED BY OR UNDER	CONTROL OF RESEA	RCH FACILITY ( Attach addition	onal sheets if necessary or use APHIS Form 7023A)	
A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not y	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F.  TOTAL NUMBER OF ANIMALS  ( COLUMNS C + D + E )
4. Dogs	Ø	Ø	Ø	Ø	Ø
5. Cats					Ø
6. Guinea Pigs					Ø
7. Hamsters					Ø
8. Rabbits					Ø
9. Non-human Primate	)		)		Ø
0. Sheep	24	8	28		36
1. Pigs	Ø	Ø	104		104
2. Other Farm Animals					0
					Ø
3. Other Animals					Ø

#### **ASSURANCE STATEMENTS**

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and follo actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL   NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print   DATE SIGNATURE)		TION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL ecutive Officer or Legally Responsible Institutional Official)	
Roymond alsen 200	SIGNATURE OF C.E.O. OR INSTRUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL ( Type or Print	DATE SIGNED
100 xxxx fect to the time of time of the time of time of the time of t	March 1	Raymond Olsen Pres	11/16/00

11/16/00

can					deditorial inventional		
		ENT OF AGRICULTURE I INSPECTION SERVIC		ł	CATE NUMBER: 87-R-0018 MER NUMBER: 1629	1	M APPROVED NO. 0579-0036
ANNUAL	REPORT OF F ( TYPE OR	RESEARCH FAC PRINT)	ILITY	1785 N	r Biomedical, Inc. orth 730 West UT 84341	Telephone (435)752-	
3. REPORTING FACILITY ( I	List all locations where anim		actual research, test		ntation, or held for these purposes. Attach a	additional sheets if ne	
		<del></del>				· ,	
A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not y	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of ar upon which experiments, research, suitests were convincional involving accompanyind distress to the and for which appropriate a	teaching, rgery, or nducted g pain or e animals	E. Number of animals upon which teach experiments, research, surgery or te conducted involving accompanying to the animals and for which the use anesthetic, analgesic, or tranquilizing have adversely affected the procedu	hing, ssts were pain or distress of appropriate g drugs would res, results, or ch, experiments, f the procedures nimals and the	F.  TOTAL NUMBER OF ANIMALS  ( COLUMNS C + D + E )
4. Dogs	Ø	Ø	L Ø		Ø		Ø
5. Cats							Ø
5. Guinea Pigs							E)
7. Hamsters							Ø
3. Rabbits							7)
). Non-human Primate	)						Ø
0. Sheep	24	8	28				36
1. Pígs	Ø	Ø	104				104
2. Other Farm Animals	· C						0
				<del>-</del>			D
3. Other Animals							Ø
						•	
ASSURANCE STATEMENTS		<u> </u>					
1) Professionally accep actual research, teac 2) Each principal invest 3) This facility is adher investigator and app (ACUC-approved excep-	otable standards governithing, testing, surgery, or tigator has considered along to the standards and proved by the institutional ceptions, this summary in	r experimentation were foll itematives to painfut proce regulations under the Act, il Animal Care and Use Cor ncludes a brief explanation acility has appropriate auti	owed by this resear dures.  and it has required nmittee (IACUC). A s of the exceptions, a nority to ensure the	that exceptions ummary of all a swell as the sp provision of ade	ate use of anestetic, analgesic, and trans- to the standards and regulations be spe- such exceptions is attached to this annual secies and number of animals affected.	OV 2 7 200 cified and explained if report. In addition	by the principal to identifying the
SIGNATURE OF CEO OR	INSTITUTIONAL OFFINA	( Chief Executive	Officer or Legali	y Responsible	e Institutional Official )		LOATE SIGNED

laymond olsen

/(Replaces VS FORM 18-23 (OCT 88), which is obsolete.

See attached form for additional information Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 87-R-0020 CUSTOMER NUMBER: 1831

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Utah Artificial Heart Inst. 803 North 300 West

Telephone:

Salt Lake City, UT 84103

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

REPORT OF ANIMALS	USED BY OR UNDER	CONTROL OF RESEA	RCH FACILITY ( Attach addition	nal sheets if necessary or use APHIS Form 7023A)	
A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not y	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F.  TOTAL NUMBER OF ANIMALS  ( COLUMNS C + D + E)
4. Dogs	Ø	Ø	\$	· Ø	Ø
5. Cats	<i>Ø</i>	Ø	Ø .	Ø	15
6. Guinea Pigs	Ø	Ø.	Ø	Ø	45
7. Hamsters	Ø	Ø	Ø	<u>U</u>	Ø
8. Rabbits	Ø	Ø	4	$\mathscr{L}$	4
9. Non-human Primate	Ø	Ø	\$	Ø	Ø
0. Sheep	19	Ø		K	/0
1. Pigs	Ó	0	2	$\phi$	2
2. Other Farm Animals	2	Ø	10	<u> </u>	10
3. Other Animals	B	Ø.	Ø	ý	Ø

#### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to; during, and follo actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC), A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal ca

	CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL  (Chief Executive Officer or Legally Responsible Institutional Official)	10/11/00 on B: 0/sen
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.Q. OR INSTITUTIONAL OFFICIAL (Type or Print	DATE SIGNED
( Sor Olas	Directo D. Olsen	30cT00

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.

Customer ID and Site Address:

Cust ID: 1831

9990 South 3100 East Sandy, UT 84092 County: Salt Lake Telephone (999)999-9999

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# O Utah Artificial Heart Institute



October 3, 2000

To:

United States Department of Agriculture

9580 Micron Ave. Suite J Sacramento, CA 95827

From: Don B. Olsen DVM

Utah Artificial Heart Institute

803 N 300 W

Salt Lake City, UT 84103

Registration number: 87-R-0020

Re:

October 1999 through September 2000 Annual Report

There were no animals used at the Utah Artificial Heart Institute between October 1999 to September 2000 pertinent to column E upon which teaching, experiments research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesia, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching research experiments, surgery, or tests. There were also no exceptions to the regulations and standards, specified and explained by the principal investigator and approved by the IACUC. There were also no experiment conducted at UAHI with "death as an endpoint"

Sincerely,

Don B. Olsen DVM

President, UAHI